

AMENDMENTS TO THE CLAIMS

LISTING OF CLAIMS

1. (Currently Amended) A computer-readable medium having a data structure for managing reproduction of still pictures, comprising:

a navigation area storing at least one playlist file, first and second clip information files, a first entry point map and a second entry point map, the playlist file including at least one playitem and at least one sub-playitem, the playitem providing navigation information for reproducing at least one still picture from a first file, the sub-playitem providing navigation information for reproducing audio data from a second file, the first clip information file including a first entry point map, the first entry point map including at least one entry point pointing to the still picture, and the second clip information file including a second entry point map, the second entry point map including at least one entry point pointing to the audio data; and

a data area storing the first and second files, the data area being separate from the navigation area,

wherein the first clip information file corresponds to the first file and the second clip information file corresponds to the second file, and the clip information files are separate from the playlist file.

2. (Previously Presented) The computer-readable medium of claim 1, wherein the entry point of the first entry point map provides an address of the still picture.

3. (Previously Presented) The computer-readable medium of claim 1, wherein the playitem provides navigation information for reproducing a plurality of still pictures; and

the first entry point map includes an entry point, associated with each still picture, that points to the associated still picture.

4. (Previously Presented) The computer-readable medium of claim 3, wherein the second entry point map includes a plurality of entry points, each entry point pointing to a point in the audio data.
5. (Previously Presented) The computer-readable medium of claim 4, wherein the first clip file includes the plurality of still pictures, and the second clip file includes the audio data.
6. (Previously Presented) The computer-readable medium of claim 1, wherein the second entry point map includes a plurality of entry points, each entry point pointing to a point in the audio data.
7. (Canceled)
8. (Previously Presented) The computer-readable medium of claim 1, wherein the playitem provides navigation information for reproducing presentation data from the first file, the presentation data includes at least the still picture and related data associated with the still picture.
9. (Previously Presented) The computer-readable medium of claim 8, wherein the related data includes graphics data.
10. (Previously Presented) The computer-readable medium of claim 8, wherein the related data includes subtitle data.
11. (Previously Presented) The computer-readable medium of claim 8, wherein the presentation data is divided into one or more still picture units such that each still picture unit includes at least one still picture and associated related data.
12. (Previously Presented) The computer-readable medium of claim 11, wherein the presentation data is multiplexed into a transport stream on a still picture unit by still picture unit basis.

13. (Previously Presented) The computer-readable medium of claim 12, wherein each elementary stream of the presentation data are aligned within the still picture unit.

14. (Previously Presented) The computer-readable medium of claim 13, wherein each elementary stream is a packetized elementary stream.

15. (Previously Presented) The computer-readable medium of claim 14, wherein each still picture unit includes one packet from each packetized elementary stream.

16. (Previously Presented) The computer-readable medium of claim 1, wherein the first file does not include audio data.

17. (Currently Amended) A computer-readable medium having a data structure for managing reproduction of still pictures, comprising:

a navigation area storing at least one playlist file, first and second clip information files, ~~a first entry point map and a second entry point map~~, the playlist file including at least one playitem and at least one sub-playitem, the playitem providing navigation information for reproducing at least one still picture from a first data stream, the sub-playitem providing navigation information for reproducing an audio stream from a second data stream separate from the first data stream, the first clip information file including a first entry point map, the first entry point map including at least one entry point pointing to the still picture, and the second chip information file including a second entry point map, the second entry point map including at least one entry point pointing to the audio stream; and

a data area storing data from the first data stream and the second data stream, the data area stored separate from the navigation area,

wherein the first clip information file corresponds to the first data stream and the second clip information file corresponds to the second data stream, and the clip information files are separate from the playlist file.

18. (Currently Amended) A method of recording a data structure for managing reproduction of at least one still image on a recording medium, comprising:

recording at least one first file and at least one second file in a data area of the

recording medium,

recording at least one playlist file in a navigation area, first and second clip information files~~a first entry point map and a second entry point map~~ on the recording medium in a navigation area, the playlist file including at least one playitem and at least one sub-playitem, the playitem providing navigation information for reproducing at least one still picture from the first file, the sub-playitem providing navigation information for reproducing audio data from the second file, the first clip information file including a first entry point map, the first entry point map including at least one entry point pointing to the still picture, and the second clip information file including a second entry point map, the second entry point map including at least one entry point pointing to the audio data,

wherein the data area is separate from the navigation area,

the first clip information file corresponds to the first file and the second clip information file corresponds to the second file, and the clip information files are separate from the playlist file.

19. (Currently Amended) A method of reproducing a data structure for managing reproduction of at least one still image recorded on a recording medium, comprising:

reproducing at least one first file and at least one second file in a data area of the recording medium,

reproducing at least one playlist file in a navigation area, first and a second clip information files~~a first entry point map and a second entry point map~~ in a navigation area from the recording medium, the playlist including at least one playitem and at least one sub-playitem, the playitem providing navigation information for reproducing at least one still picture from the first file, the sub-playitem providing navigation information for reproducing audio data from the second file, the first clip information file including a first entry point map, the first entry point map including at least one entry point pointing to the still picture, and the second clip information file including a second entry point map, the second entry point map including at least one entry point pointing to the audio data,

wherein the data area is separate from the navigation area,

the first clip information file corresponds to the first file and the second clip information file corresponds to the second file, and the clip information files are separate from the playlist file.

20. (Currently Amended) An apparatus for recording a data structure for managing reproduction of at least one still image on a recording medium, comprising:

~~an optical recording device~~ a pick up configured to record data on the recording medium;

a controller configured to record first and second files in a data area of the recording medium, at least one playlist file in a navigation area, ~~a first entry point map and a second entry point map~~ first and second clip information files in a navigation area on the recording medium, the playlist file including at least one playitem and at least one sub-playitem, the playitem providing navigation information for reproducing at least one still picture from the first file, the sub-playitem providing navigation information for reproducing audio data from the second file, the first clip information file including a first entry point map, the first entry point map including at least one entry point pointing to the still picture, and the second clip information file including a second entry point map, the second entry point map including at least one entry point pointing to the audio data,

wherein the data area is separate from the navigation area on the recording medium,

the first clip information file corresponds to the first file and the second clip information file corresponds to the second file, and

the clip information files are separate from the playlist file.

21. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of at least one still image recorded on a recording medium, comprising:

~~an optical reproducing device~~ a pick up configured to reproduce data recorded on the recording medium;

a controller configured to control the ~~optical reproducing device~~ pick up to reproduce first and second files in a data area on the recording medium and at least one playlist file in a navigation area, a first clip information file and a second clip information file ~~a first entry point map and a second entry point map~~ in a navigation area from the recording medium, the playlist file including at least one playitem and at least one sub-playitem, the playitem providing navigation information for reproducing at least one still picture from the first file, the sub-playitem providing navigation

information for reproducing audio data from the second file, the first clip information file including first a entry point map, the first entry point map including at least one entry point pointing to the still picture, and the second clip information file including a second entry point map, the second entry point map including at least one entry point pointing to the audio data,

wherein the data area is separate from the navigation area on the recording medium,

the first clip information file corresponds to the first file and the second clip information file corresponds to the second file, and

the clip information files are separate from the playlist file.

22. (Previously Presented) The method of of claim 18, wherein

the playitem provides navigation information for reproducing presentation data from the first file, the presentation data includes at least the still picture and related data associated with the still picture.

23. (Previously Presented) The method of claim 22, wherein the related data includes graphics data.

24. (Previously Presented) The method of claim 22, wherein the related data includes subtitle data.

25. (Previously Presented) The method of claim 22, wherein the presentation data is divided into one or more still picture units such that each still picture unit includes at least one still picture and associated related data.

26. (Previously Presented) The method of claim 25, wherein the presentation data is multiplexed into a transport stream on a still picture unit by still picture unit basis.

27. (Previously Presented) The method of claim 26, wherein each elementary stream of the presentation data are aligned within the still picture unit.

28. (Previously Presented) The method of of claim 19, wherein

the playitem provides navigation information for reproducing presentation data from the first file, the presentation data includes at least the still picture and related data associated with the still picture.

29. (Previously Presented) The method of claim 28, wherein the related data includes graphics data.

30. (Previously Presented) The method of claim 28, wherein the related data includes subtitle data.

31. (Previously Presented) The method of claim 28, wherein the presentation data is divided into one or more still picture units such that each still picture unit includes at least one still picture and associated related data.

32. (Previously Presented) The method of claim 31, wherein the presentation data is multiplexed into a transport stream on a still picture unit by still picture unit basis.

33. (Previously Presented) The method of claim 32, wherein each elementary stream of the presentation data are aligned within the still picture unit.

34. (Previously Presented) The apparatus of of claim 20, wherein
the playitem provides navigation information for reproducing presentation data from the first file, the presentation data includes at least the still picture and related data associated with the still picture.

35. (Previously Presented) The apparatus of claim 34, wherein the related data includes graphics data.

36. (Previously Presented) The apparatus of claim 34, wherein the related data includes subtitle data.

37. (Previously Presented) The apparatus of claim 34, wherein the presentation data is divided into one or more still picture units such that each still picture unit includes at least one still picture and associated related data.

38. (Previously Presented) The apparatus of claim 37, wherein the presentation data is multiplexed into a transport stream on a still picture unit by still picture unit basis.

39. (Previously Presented) The apparatus of claim 38, wherein each elementary stream of the presentation data are aligned within the still picture unit.

40. (Previously Presented) The apparatus of of claim 21, wherein
the playitem provides navigation information for reproducing presentation data from the first file, the presentation data includes at least the still picture and related data associated with the still picture.

41. (Previously Presented) The apparatus of claim 40, wherein the related data includes graphics data.

42. (Previously Presented) The apparatus of claim 40, wherein the related data includes subtitle data.

43. (Previously Presented) The apparatus of claim 40, wherein the presentation data is divided into one or more still picture units such that each still picture unit includes at least one still picture and associated related data.

44. (Previously Presented) The apparatus of claim 43, wherein the presentation data is multiplexed into a transport stream on a still picture unit by still picture unit basis.

45. (Previously Presented) The apparatus of claim 44, wherein each elementary stream of the presentation data are aligned within the still picture unit.